

PTFE Sub-Lite-Wall™ Heat Shrink

Super-Thin-Walled PTFE Heat Shrink Tubing

Overview-

Zeus Sub-Lite-Wall™ heat shrink is our family of super-thin-walled extrusions with nominal wall thicknesses of 0.005" (0.127 mm) and below. This specialty heat shrink is engineered for applications that require thin walls and shrink-to-fit encapsulation and protection.

PTFE's advanced material properties, from its extremely low coefficient of friction to its fine-tolerance manufacturability, make it well-suited for a range of high-performance applications. Whether for lining catheters, encapsulating guidewires, or covering sensors and other critical components, Zeus' PTFE Sub-Lite-Wall™ heat shrink combines super-thin walls with excellent mechanical properties for dependable device performance.

Zeus PTFE Sub-Lite-Wall™ heat shrink is highly customizable and can be produced with wall thicknesses as low as 0.001" (0.025 mm) and with tolerances of $\pm 0.0005"$ (0.0127 mm). Contact your Zeus representative today to learn how we can tailor PTFE Sub-Lite-Wall™ heat shrink to your specific application requirements.



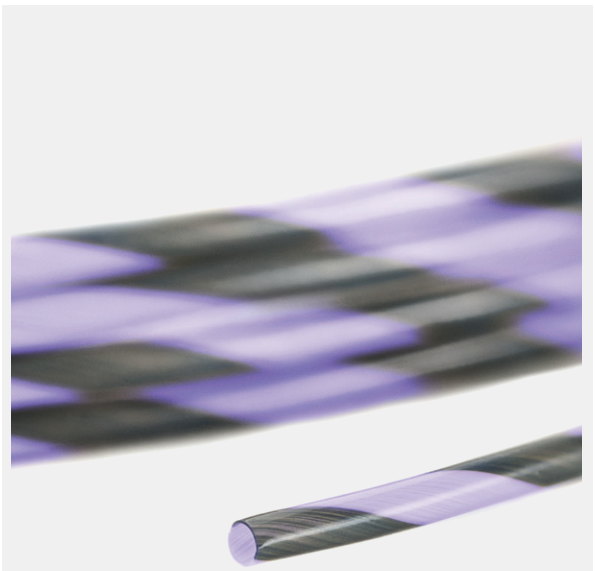
COEFFICIENT OF FRICTION



CHEMICAL RESISTANCE



DIELECTRIC STRENGTH



Zeus PTFE Sub-Lite-Wall™ products are available with spiral coloring patterns to aid clinicians' visibility during medical procedures.

APPLICATIONS

- Catheter liners
- Guidewire encapsulation
- Batteries
- Endoscopy
- Sensor encapsulation

CAPABILITIES AND SIZING

- Expanded IDs from 0.012" – 0.375" (0.305 mm – 9.525 mm)
- Recovered walls from 0.001" – 0.005" (0.025 mm – 0.127 mm)
- Wall tolerances of $\pm 0.0005"$ (± 0.0127 mm)
- Colors and striped colors available upon request

KEY PROPERTIES

- Class VI approved resins available
- Working temperature to 500 °F (260 °C)
- Chemical resistance
- Sterilizable
- Excellent dielectric properties
- Very low coefficient of friction



PTFE Sub-Lite-Wall™ Heat Shrink

Sub-Lite-Wall™ heat shrink is available by custom order only. The dimensions and tolerances shown below are a guide only. By contacting our team, you can write your own specifications for Sub-Lite-Wall™ heat shrink to get the assurance that we can help meet your specifications.

PTFE SUB-LITE-WALL™ HEAT SHRINK - TYPICAL SIZE RANGES				
SHRINK RATIO	EXPANDED ID MIN.	RECOVERED ID MAX.	RECOVERED WALL THICKNESS	WALL THICKNESS TOLERANCE
Up to 2:1	0.012" - 0.375" (0.305 mm - 9.525 mm)	0.005" - 0.187" (0.127 mm - 4.750 mm)	0.001" - 0.005" (0.025 mm - 0.127 mm)	± 0.0005" (± 0.0127 mm)



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PTFE SUB-LITE-WALL™ HEAT SHRINK		
EXPANDED ID MIN.	RECOVERED ID MAX.	RECOVERED WALL THICKNESS
0.020" (0.508 mm)	0.008" (0.203 mm)	0.002" (0.051 mm)
0.025" (0.635 mm)	0.010" (0.254 mm)	0.002" (0.051 mm)
0.030" (0.762 mm)	0.012" (0.305 mm)	0.002" (0.051 mm)
0.034" (0.864 mm)	0.015" (0.381 mm)	0.002" (0.051 mm)
0.038" (0.965 mm)	0.018" (0.457 mm)	0.002" (0.051 mm)
0.046" (1.168 mm)	0.022" (0.559 mm)	0.002" (0.051 mm)
0.050" (1.270 mm)	0.027" (0.686 mm)	0.002" (0.051 mm)
0.055" (1.397 mm)	0.032" (0.813 mm)	0.002" (0.051 mm)
0.060" (1.524 mm)	0.039" (0.991 mm)	0.002" (0.051 mm)
0.076" (1.930 mm)	0.049" (1.245 mm)	0.002" (0.051 mm)
0.093" (2.362 mm)	0.061" (1.549 mm)	0.002" (0.051 mm)
0.120" (3.048 mm)	0.072" (1.829 mm)	0.002" (0.051 mm)
0.150" (3.810 mm)	0.089" (2.261 mm)	0.002" (0.051 mm)
0.191" (4.851 mm)	0.112" (2.845 mm)	0.002" (0.051 mm)
0.240" (6.096 mm)	0.141" (3.581 mm)	0.0025" (0.064 mm)

